

DAB Sparkle

DAB Post Enhancing Solution
901-DS830-031318

BIOCARE
M E D I C A L

Catalog Number: DS830 H, M

Description: 25, 500 ml

Intended Use:

For In Vitro Diagnostic Use

DAB Sparkle is intended for laboratory use to enhance staining of formalin-fixed paraffin-embedded (FFPE) tissues, as part of an immunohistochemistry (IHC) procedure using a horseradish peroxidase (HRP) detection system. The clinical interpretation of any staining or its absence should be complemented by morphological studies using proper controls and should be evaluated within the context of the patient's clinical history and other diagnostic tests by a qualified pathologist.

Summary & Explanation:

This specially formulated ready-to-use enhancing solution will increase sensitivity and contrast of DAB stained tissues.

Known Applications:

Immunohistochemistry (frozen sections, paraffin-embedded tissues, cell culture and cell smears)

Supplied As:

Liquid, Ready-to-use

Materials and Reagents Needed But Not Provided:

Microscope slides, positively charged

Desert Chamber* (Drying oven)

Positive and negative tissue controls

Xylene (Could be substituted with xylene substitute*)

Ethanol or reagent alcohol

Decloaking Chamber* (Pressure cooker)

Deionized or distilled water

Wash buffer*(TBS/PBS)

Pretreatment reagents*

Enzyme digestion*

Avidin-Biotin Blocking Kit*(Labeled streptavidin kits only)

Peroxidase block*

Protein block*

Primary antibody*

Negative control reagents*

Detection kits*

Detection components*

Chromogens*

Hematoxylin*

Bluing reagent*

Mounting medium*

* Refer to the Biocare Medical website located at <http://biocare.net> for information regarding catalog numbers and ordering information.

Storage and Stability:

Store at room temperature. Do not use after expiration date printed on vial. If reagents are stored under conditions other than those specified in the package insert, they must be verified by the user.

Protocol Recommendations:

1. Apply DAB chromogen-substrate buffer to the tissue. Incubate for 2-5 minutes.
2. Rinse sections in deionized water.
3. Apply 4 drops of DAB Sparkle to the DAB-stained tissue. Incubate for 1 minute
4. Rinse sections in deionized water.

Limitations:

The protocols for a specific application can vary. These include, but are not limited to fixation, heat-retrieval method, incubation times, tissue section thickness and detection kit used. Due to the superior sensitivity of these unique reagents, the recommended incubation times and titers listed are not applicable to other detection systems, as results may vary. The data sheet recommendations and protocols are based on exclusive use of Biocare products. Ultimately, it is the responsibility of the investigator to determine optimal conditions. The clinical interpretation of any positive or negative staining should be evaluated within the context of clinical presentation, morphology and other histopathological criteria by a qualified pathologist. The clinical interpretation of any positive or negative staining should be complemented by morphological studies using proper positive and negative internal and external controls as well as other diagnostic tests.

Quality Control:

Refer to CLSI Quality Standards for Design and Implementation of Immunohistochemistry Assays; Approved Guideline-Second edition (I/LA28-A2) CLSI Wayne, PA USA (www.clsi.org). 2011

Precautions:

1. Specimens, before and after fixation, and all materials exposed to them should be handled as if capable of transmitting infection and disposed of with proper precautions.
2. Consult OSHA, federal, state or local regulations for disposal of any toxic substances.
3. Never pipette reagents by mouth and avoid contacting the skin and mucous membranes with reagents and specimens.
4. If reagents or specimens come in contact with sensitive areas, wash with copious amounts of water.
5. Do not use reagent after the expiration date printed on the vial.
6. The SDS is available upon request and is located at <http://biocare.net>.

Warnings:

1. This product contains Cupric Sulfate Pentahydrate.
2. Wear appropriate personal protective equipment and clothing.
3. Avoid contact with skin and eyes.
4. May cause difficulty in breathing if inhaled.
5. Harmful if swallowed.

Troubleshooting:

Follow the antibody specific protocol recommendations according to data sheet provided. If atypical results occur, contact Biocare's Technical Support at 1-800-542-2002.